

Luneberg reflectors monostatic rectilinear polarization
(see Technical Data Sheet F7.2-11)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing		Weight (kg) without fixing	Polarization
				inch	cm		
SMR07	0,6 at 0° 0,4 ± 50°	3,3 GHz	monostatic	7,0	18	1,3	rectilinear
XMR03	0,2 at 0° 0,15 ± 40°	9,375 GHz		3,0	8	0,12	
XMR04	0,55 at 0° 0,4 ± 40°			4,0	10	0,27	
XMR05	1,2 at 0° 0,9 ± 50°			4,9	12	0,45	
XMR06	2,5 at 0° 1,9 ± 50°			6,0	15	0,8	
XMR06.5	4 at 0° 3 ± 50°			6,5	16	1,2	
XMR07	5,5 at 0° 4 ± 50°			7,0	18	1,3	
XMR08.5	9 at 0° 8 ± 50°			8,5	22	2,5	
XMR09	15 at 0° 12 ± 50°			9,2	23	2,9	
XMR10	19 at 0° 16 ± 50°			10,0	25	3,8	
XMR12.5	45 at 0° 35 ± 50°			12,5	32	7,4	
XMR18	100 at 0° 50 ± 50°			17,5	44	20	
XMR24	250 at 0° 200 ± 50°			24,0	61	50	
KMR08.5	12 at 0° 10 ± 50°	14 GHz		8,5	22	2,5	
KMR09	15 at 0° 12 ± 50°			9,2	23	2,9	

* RCS values are guaranteed for lenses without fixing

Luneberg reflectors bistatic rectilinear polarization
(see Technical Data Sheet F7.2-13)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing		Weight (kg) without fixing	Polarization
				inch	cm		
XBR03	0,1 at 0° 0,05 at 10° of bist	9,375 GHz	bistatic	3,0	8	0,12	rectilinear
XBR04	0,4 at 0° 0,2 at 10° of bist			4,0	10	0,27	
XBR05	1 at 0° 0,4 at 10° of bist			4,9	12	0,45	
XBR07	2,2 at 0° 0,7 at 10° of bist			7,0	18	1,3	
XBR08.5	6 at 0° 1 at 10° of bist			8,5	22	2,5	
XBR09	6 at 0° 1 at 10° of bist			9,2	23	2,9	
XBR10	9 at 0° 2 at 10° of bist			10,0	25	3,8	

* RCS values are guaranteed for lenses without fixing

Bâtiment Horus / Parc de l'Aéroport / 75 rue Jérémy Bentham / 34473 Pérols / France

Tél: (33) 4 67 55 69 56 / Fax: (33) 4 67 55 69 57

Email: luneberg@luneberg.com

Valid from 30 June 2010 / cancels and replaces edition 8 March 2010

ISO 9001

BUREAU VERITAS
Certification



Luneberg reflectors monostatic equatorial rectilinear polarization
(see Technical Data Sheet F7.2-15)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing		Weight (kg) without fixing	Polarization
				inch	cm		
XER07	1 equatorial plan 0,3 ± 15°	9,375 GHz	monostatic	7,0	18	1,3	rectilinear
XER10	6 equatorial plan 2 ± 15°		equatorial	10,0	25	3,8	
XER12.5	11 equatorial plan 8 ± 15°			12,5	32	7,4	

* RCS values are guaranteed for lenses without fixing

New

Luneberg reflectors monostatic equatorial circular polarization
(see Technical Data Sheet F7.2-39)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing		Weight (kg) without fixing	Polarization
				inch	cm		
XEC09	2 equatorial plan 1 ± 15°	9,375 GHz	monostatic equatorial	9,2	23	2,9	circular

* RCS values are guaranteed for lenses without fixing

New

Luneberg reflectors monostatic circular polarization
(see Technical Data Sheet F7.2-17)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing		Weight (kg) without fixing	Polarization
				inch	cm		
XMC09	6 at 0° 4 ± 50°	9,375 GHz	monostatic	9,2	23	2,9	circular
KMC07	6 at 0° 5 ± 50°	15,54 GHz		7,0	18	1,3	
KMC08.5	10 at 0° 6 ± 50°	16,5 GHz		8,5	22	2,5	
KMC09	11 at 0° 7 ± 50°	16,5 GHz		9,2	23	2,9	

* RCS values are guaranteed for lenses without fixing

● *Assemblies of monostatic rectilinear polarization Luneberg reflectors*
(see Technical Data Sheet F7.2-35)

Reference	Minimum Radar Cross Section guaranteed (sqm)	Frequency of measurement	Kind of response	Ø of each reflector inch cm	Overall dimensions (cm)	Total weight (kg)	Polarization
B6XMR05	0,8sqm over 75% of coverage over 360°	9,375 GHz	monostatic	4,9 12	Ø 65 h 20	8	rectilinear
B5XMR07	4sqm over 75% of coverage over 360°			7,0 18	Ø 75 h 24	12	
B4XMR08.5	8sqm over 75% of coverage over 360°			8,5 22	Ø 84 h 27	15	
B3XMR18	80sqm over 75% of coverage over 360°			17,5 44	Ø 106 h 73	80	

